

Network Integration (NT) Transmission Service

BPA Transmission Business Practice

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Version

This business practice outlines processes and procedures specific to Network Integration (NT) Transmission Service.

BPA Policy References

- [Open Access Transmission Tariff \(OATT\)](#): Part III. Network Integration Transmission Service; Attachment G
- [Transmission Rate Schedules/Provisions](#): Network Integration Rate

For more information, visit the [BPA Transmission Business Practices webpage](#) or submit questions to techforum@bpa.gov.

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A. Requesting NT Transmission Service

1. Must be an Eligible Customer.
 - a. An entity that is not yet a BPA Customer must complete the steps on the [Becoming a Transmission Customer webpage](#) prior to requesting NT Transmission Service.
2. Per Section 29.2 of the OATT, an Eligible Customer seeking NT Transmission Service must submit the following on OASIS (refer to the [NT TSR User Guide](#) for TSR and NITS submittal instructions):

- a. Transmission Service Request (TSR).
- b. NITS New Application on OASIS.
 - i. The application parameters should reflect the Eligible Customer's executed enabling NT Transmission Service Agreement.
 - ii. The application is submitted one time, prior to the submittal of any additional OASIS NITS information.
3. The Eligible Customer must also provide the following information as part of the completed application:
 - a. New [Network Load form](#).
 - b. Ten-year load and resource forecast.
4. The Eligible Customer's assigned Transmission Account Executive will help coordinate the process of providing the information required in 29.2 of the OATT.

B. Load & Resource Forecasts

1. The NT Annual Load and Resource Forecasting Process is the annual update of an NT Customer's ten-year load and resource forecast as required by Sections 29.2 and 31.6 of the OATT and the NERC MOD-031 Reliability Standards.
 - a. The data submitted and/or confirmed by the NT Customer informs BPA's Long-Term transmission planning and future TSR Study and Expansion Process (TSEP) cycles.
 - b. The NT Customer's BPA forecaster works with the NT Customer to meet the annual forecast update obligation.
 - c. BPA will notify NT Customers of the timing of the upcoming NT Annual Load and Resource Forecasting Process.
2. The Load and Resource Consolidated Data Collection Tool (LaRC) is a workbook that provides detail such as forecasted and historical loads, and federal/non-federal resource forecasts.
 - a. BPA prepares the LaRC by populating it with the current BPA load forecast information and federal/non-federal resource encumbrance(s).
 - b. BPA may change the LaRC from time to time to improve the NT Annual Load and Resource Forecasting Process. Changes will be communicated prior to the start of the annual NT Annual Load and Resource Forecasting Process.
3. As part of initiating the NT Annual Load and Resource Forecasting Process, BPA will send the LaRC to all NT Customers via email (if available) along with an instruction letter.
4. The NT Customer must review the LaRC and provide any updates or changes by the due date specified in the instruction letter. The due date will not be less than 30 Calendar Days from when the instruction letter was sent.
 - a. In the event an NT Customer is working with a third party for planning and completion of the LaRC, the NT Customer is responsible for ensuring the information in the LaRC is accurate and submitted by the due date.

- b. The NT Customer is responsible for identifying in the LaRC which resource forecasts will be analyzed as alternate resources.
5. The queue time for evaluating the non-federal resource forecast is the time BPA receives the email containing the LaRC.
6. If the NT Customer does not return the LaRC by the specified due date, BPA will roll forward any previously accepted forecasted non-federal resources.
 - a. The NT Customer may provide an out-of-cycle update as specified in Section C.
7. If BPA determines the LaRC is incomplete or deficient, BPA will notify the NT Customer and the NT Customer must remedy the LaRC within five (5) Business Days of notification.
 - a. If efforts to remedy the deficiencies are unsuccessful, BPA will roll forward any previously accepted forecasted non-federal Network Resources.
8. At the conclusion of the reviews, BPA will publish a final load forecast (Agency Load Forecast).
9. BPA will create a CONFIRMED Forecasted TSR (FTSR) for each accepted non-federal Network Resource forecast to encumber capacity as indicated in Section D.
10. In the event that any portion of capacity is not available to be encumbered from the non-federal resource forecast to the NT Customer's load, BPA will discuss options with the NT Customer.
 - a. BPA will create one or more FTSRs in STUDY status to reflect the request to encumber capacity from the resource to the load.
 - b. An FTSR in STUDY status reflects capacity that has not been encumbered, requiring further review and may be eligible to participate in a study.
 - c. In the event BPA offers a study agreement, the NT Customer may decline to participate, in which case the FTSR(s) will be DECLINED.
11. BPA may request an NT Data Exhibit from the NT Customer for forecasted resources or loads if necessary to evaluate the forecast.
 - a. The NT Customer's assigned Transmission Account Executive will notify the NT Customer via email if the forecasted resource(s) or load(s) require an NT Data Exhibit.
 - b. The NT Customer will have 10 Business Days to return the NT Data Exhibit(s) to their assigned Transmission Account Executive via email.
 - c. BPA will notify the NT Customer within five (5) Business Days of any deficiencies in the NT Data Exhibit.
 - i. The NT Customer will have five (5) Business Days to provide sufficient information upon notification by BPA that there is deficient data in the NT Data Exhibit, or the forecast will not be considered valid.
 - ii. Without a valid NT Data Exhibit, BPA will not create an FTSR in OASIS.
 - iii. BPA will not encumber capacity for forecasted load without a supporting resource forecast.
12. BPA will notify the NT Customer by letter specifying any encumbrances, FTSR(s), and identify other options if needed.

- a. The letter will specify the TSR AREF associated with any FTSRs that have been created to encumber capacity.
- b. Any restrictions for designating against the FTSR will be identified.
- c. FTSRs that were replaced as part of this update will be identified.
- d. In the event that transmission capacity could not be encumbered from the forecasted non-federal resource to the NT Customer's load, the reason(s) and options will be provided.

C. Updates Between Annual Load & Resource Forecasts

1. If there is a change to the NT Customer's load or resource forecast the NT Customer should notify BPA as soon as possible.
 - a. The NT Customer should send an email with details of the change to: KSLF@bpa.gov.
 - b. The NT Customer's BPA forecaster and assigned Transmission Account Executive should be copied on the email.
 - c. The Subject Line should be "Revision to Load and Resource Forecast Required – (NT Customer Name)."
2. The queue time for evaluating an updated non-federal resource forecast is the time BPA receives the email (if applicable).

D. Reserving Transmission Capacity for Forecasted Non-federal Network Resources

1. A CONFIRMED FTSR, based on the evaluated and accepted forecasts as specified in Sections B and C, provides an assurance of transmission availability if the identified non-federal resource is subsequently designated to serve the NT Customer load.
 - a. An FTSR is a Long-Term Firm (LTF) NT TSR on OASIS.
 - b. An FTSR contains "NT FTSR" in the Seller Comments field. Additional information may also be included in this field.
 - c. An FTSR identifies the forecasted MW per year for the next 10 years.
 - d. An FTSR in CONFIRMED status reflects capacity that has been encumbered for the NT Customer.
2. When an NT Customer designates against its current FTSR by submitting a designation TSR and a NITS Add DNR (TSR/NITSDNR) on OASIS and the TSR/NITSDNR are CONFIRMED, the identified FTSR will be recalled by the MW total that has been designated.
3. Multiple FTSRs may be created to reflect circumstances where an NT Customer forecasts two or more non-federal resources to serve the same Network Load without over-encumbering transmission capacity.
 - a. Each non-federal resource that is forecasted will have a separate FTSR.

- b. BPA will indicate which FTSRs are associated with alternate resources.
 - c. The cumulative MW amount of the TSR/NITSDNR(s) designated cannot exceed the MW amount of the identified FTSR(s).
 - i. If one or more designation TSR/NITSDNR(s) are CONFIRMED, the identified FTSR(s) will be recalled by the MW of each designation.
4. When a resource forecast is accepted for the Mid-Columbia (Mid-C) area, the FTSR will specify COLMBIA230CHPD as the Source and BPAT.CHPD as the Point of Receipt (POR).
 - a. If noted in the encumbrance (see Section B.12), the NT Customer may designate a Network Resource against the FTSR using any of the following PORs: NWH, MIDCREMOTE, BPAT.CHPD (Chelan), BPAT.GCPD (Grant), or BPAT.DOPD (Douglas).
 - b. For designations of NWH as a POR, the upstream transmission service must also be provided within the DNR.
 5. An NT Customer may not create an FTSR on OASIS.
 6. An NT Customer may designate a Network Resource against a CONFIRMED FTSR. See Section F, Additional Requirements for Designating Network Resources.
 - a. If an NT Customer does not designate a Network Resource for which it has an FTSR at least 60 Calendar Days prior to service commencement date, BPA will release the encumbered capacity back to the market on a rolling monthly basis.
 7. BPA uses CONFIRMED FTSRs in the calculation of capacity in accordance with the BPA's ATC Methodology.

E. Designation of a New Network Resource

1. To designate a new Network Resource, the NT Customer must submit a new TSR/NITSDNR and add a NITS Add/Modify Resource and Add/Modify Generation if applicable on OASIS. Refer to the [NT TSR User Guide](#) for TSR and NITS submittal instructions.
 - a. Queue time is established when the TSR is QUEUED on OASIS.
 - b. For LTF NT TSRs to designate Network Resources, a NITSDNR must be submitted on OASIS no later than 5:00 PM, Pacific Prevailing Time (PPT) on the same Business Day in which the LTF NT TSR is QUEUED.
 - i. If a NITSDNR for a LTF TSR is deemed deficient, BPA will notify the NT Customer to remedy the deficiency.
 - ii. Deficiencies must be remedied the same day as notification.
 - iii. If efforts to remedy the deficiencies through informal communications with the NT Customer are unsuccessful, BPA will DECLINE the LTF NT TSR and the NITSDNR on OASIS.
 - c. For Short-Term Firm (STF) NT TSR (Hourly, Daily, Weekly, and Monthly) designated Network Resources, NT Customers may submit in accordance with the "Short-Term and Hourly TSR Process" section of the [Requesting Transmission Service Business Practice](#). STF NT TSRs must also be submitted

in accordance with the BPA reservation timelines specified in the “Reservation Timelines” section of the Requesting Transmission Service Business Practice.

- d. For STF NT TSRs, a NITSDNR must be submitted on OASIS no later than 5:00 PM PPT on the same Business Day in which the TSR is QUEUED, or before delivery, whichever is earlier. The STF NT TSR may be CONFIRMED over OASIS before BPA may have an opportunity to review the STF NT TSR and the NITSDNR. Therefore, although a STF NT TSR may be confirmed, BPA considers the NITSDNR deficient if the NITSDNR requirements are not met or are not submitted within the specified deadline.
 - e. If a NITSDNR is deficient, BPA will notify the NT Customer requesting service within 15 Calendar Days from the day the STF NT TSR is QUEUED and specify the reasons for such failure.
 - f. If, within 10 Business Days of notification, efforts to remedy the deficiencies through informal communications with the NT Customer are unsuccessful, BPA will ANNUL the STF NT TSR and the NITSDNR on OASIS within the deficiency time period or before delivery, whichever is earlier.
 - g. For STF NT TSRs, BPA will ANNUL a TSR if the NITSDNR requirements are not met.
2. To submit a LTF NT TSR or STF NT TSR to designate a Network Resource, NT Customers must attest to the following conditions by submitting a NITS Add/Modify Resource and an Add/Modify Generation, if applicable on OASIS.
 - a. The NT Customer owns the resource, has committed to purchase generation pursuant to an executed contract, or has committed to purchase generation where execution of a contract is contingent upon the availability of Transmission Service under Part III of the BPA OATT.
 - b. The Network Resource does not include any resources, or any portions thereof, that are committed for a sale of one (1) year or more to non-designated third party load or otherwise cannot be called upon to meet the NT Customer’s Network Load on a non-interruptible basis, except for purposes of fulfilling obligations under a reserve sharing program.
 3. NT Customers must have any necessary Firm or Point-to-Point Conditional Firm Service (CFS), which may include transmission arrangements with rollover rights, or must have a pending transmission service request for Firm transmission on all intermediate transmission systems, including the source system, for the duration of the TSR.
 4. NT Customers must make a Long-Term designation of Network Resources, including a designation of a forecasted Network Resource for which the NT Customer has a CONFIRMED FTSR, no later than 60 Calendar Days prior to service commencement date.

F. Additional Requirements for Designating Network Resources

1. When designating a previously forecasted non-federal Network Resource the following requirements apply:
 - a. To designate a previously forecasted Network Resource for which an FTSR has been CONFIRMED, the NT Customer must submit a LTF NT TSR and a NITSDNR in accordance with Section E, Designation of a New Network Resource.
 - i. The LTF NT TSR must be as follows:
 1. Request type: ORIGINAL.
 2. Deal Ref: Enter FTSR AREF.
 3. Start/Stop Time: Must be within the Start and Stop Date parameters of the FTSR.
 4. Customer Comment: Enter "TSR to designate a previously forecasted Network Resource."
 - b. BPA will evaluate the LTF NT TSR/NITSDNR and the associated FTSR to determine if Transmission Service can be provided.
 - c. A designation of a Network Resource for less than one (1) year cannot be netted against an FTSR.
2. For the POR field of the OASIS Reservation Entry Form, the NT Customer may use the following PORs:
 - a. The POR of the identified On-System Generating Resource:
 - i. The POR of the generating resource may be Newpoint (NEWPOINTBPAT) if the point is not currently modeled on OASIS. See the [Requesting Transmission Service Business Practice](#) for more information on designating Newpoint.
 - ii. The POR for a generating resource located within a Load Serving Entity's distribution system is the point of interconnection between the Load Serving Entity and the BPA BAA.
 - b. BAA Delivery Point:
 - i. A BAA Delivery Point may only be used for Network Resources originating from outside the BPA BAA.
 - ii. If the originating BAA is interconnected with the BPA BAA, the NT Customer must use the BAA Point between the BPA BAA and the adjacent or nested BAA from which the Network Resource(s) originate.
 - iii. Network Resources must be delivered to the BAA Delivery Point on Firm or on CFS for the duration of the TSR. The TSR will be DECLINED if the NT Customer is unable to provide an AREF and an attestation for the upstream transmission at the time the NITSDNR is submitted on OASIS. See the [NT TSR User Guide](#).

- iv. If the upstream Firm or CFS contract includes rollover rights which may be exercised during the duration of the NT TSR, the NT Customer must provide the AREF for the rollover TSR at the time the TSR is submitted and again within five (5) Business Days of the rollover being CONFIRMED in order for the NT TSR to continue to be a valid Network Resource. The notification must be emailed to TxRequests@bpa.gov.
- c. The Northwest Market Hub (NWH):
- i. To qualify as a Network Resource, the energy must be delivered to the Northwest Market Hub on Firm or CFS for the duration of the NT TSR and in accordance with iii below. The TSR will be DECLINED if the NT Customer is unable to provide an AREF and an attestation for the upstream transmission at the time the NITSDNR is submitted on OASIS.
 - ii. If the source is physically located within the BPA BAA, the NT Customer may only identify a single generating resource for each TSR and must provide a NITSDNR for each resource. The TSR will be DECLINED if the NT Customer is unable to identify a specific source at the time the NITSDNR is submitted on OASIS.
 - iii. For the Start Date and the Stop Date field of the OASIS Reservation Form, the NT Customer must use dates when the resource will be available on a non-interruptible basis to serve the NT Customer's load.
 - iv. If the Network Resource is a generating resource physically located outside of the BPA BAA, the NT Customer must provide an AREF and an attestation that the upstream transmission arrangements are Firm or CFS and identify the BAA Delivery Point in the NITS Resource Description of the NITSDNR.
 - v. If the Network Resource is a power purchase agreement from generating resources physically located outside of the BPA BAA, the NT Customer must also identify the BAA from which the power will originate and the BAA Delivery Point in the NITS Resource Description of the NITSDNR.
3. NT Resource Demand:
- a. Federal Resource Demand:
 - i. If the Source is the FCRPS and the demand varies over the term of designation, e.g.; a Load Following or Slice/Block contract, The NT Customer should input the 10 year flat peak demand as the requested demand in the MW field of the TSR.
 - ii. If the Source is the FCRPS and the demand is fixed, e.g.; a 10MW contract, the NT Customer should input the specific requested demand in the MW field of the TSR.
 - iii. If the NT Customer plans to displace an existing resource that is not FCRPS, the NT Customer should identify the resource being displaced in the Customer Comments field of the TSR.
 - b. Non-Federal Network Resource Demand:
 - i. The NT Customer may submit a shaped monthly capacity profile.

- ii. Each monthly MW value must be less than or equal to the peak demand listed in the associated Power Purchase Agreement.
4. The NT Customer must specify in the Customer Comments field of the LTF NT TSR or STF NT TSR “New Network Resource.”
5. The term of the TSR may not exceed the term to which the NT Customer owns the resource or has rights to the resource.
6. The Stop date of the LTF NT TSR or STF NT TSR may be later than the termination date of the NT Customer’s NT Service Agreement. However, if the NT Customer’s NT Service Agreements is not renewed and subsequently terminates, then the NT Customer’s NITSDNR(s) that extend past the termination of the NT Service Agreement are no longer valid.
7. BPA will evaluate TSRs submitted on OASIS for NT service to determine whether Transmission Service can be provided. See the [TSR Evaluation Business Practice](#).
8. Behind the Meter Resource:
 - a. If a generating resource used to serve Network Load is a Behind the Meter Resource, the NT Customer must notify BPA by submitting a NITSDNR over OASIS, and updating its ten-year load and resource forecast as described in Section B or Section C.
 - i. No OASIS TSR is required for a Behind the Meter Resource.
 - ii. The NT Customer must notify BPA that the resource is a Behind the Meter Resource by entering the comment “Behind the Meter Resource” in the Customer Comment field of the NITSDNR submitted on OASIS.
 - b. The integrated hourly sum of generation from an NT Customer’s Behind the Meter Resources may not exceed the NT Customer’s total Network Load for any given hour.
 - c. Refer to the [Small Generator Interconnection Business Practice](#) and/or the [Large Generator Interconnection Business Practice](#) for additional procedures.

G. Undesignation of a Network Resource

1. To make Third-Party Sales of one (1) year or more from a DNR, or if output or contractual rights to a DNR cease, an NT Customer must first undesignate that Network Resource. An NT Customer must use Point-to-Point (PTP) Transmission Service for Third-Party Sales.
2. NT Customers may undesignate all or part of a DNR by submitting a NITS Terminate DNR request on OASIS.
3. Temporary Undesignation of a DNR:
 - a. See the Temporary Undesignation section of the [NT TSR User Guide](#).
 - b. The NT Customer forfeits its transmission capacity during the period that the Network Resource or portion thereof, is temporarily undesignated.
 - i. A new TSR is required if an NT Customer elects to re-designate a resource prior to the end date of the Temporary Undesignation.

- c. After the period of temporary undesignation, the NT Customer will retain its right to Transmission Service from the original DNR.
 - d. If no stop date is specified in the undesignation notice, BPA will consider the Network Resource to be permanently undesignated.
4. Permanent Undesignation of a DNR:
 - a. See the Indefinite (Permanent) Undesignation section of the [NT TSR User Guide](#).
 - b. The NT Customer forfeits its reservation priority and capacity that is permanently undesignated from a DNR.
 - c. Upon permanent undesignation of a DNR, to designate a new Network Resource, the NT Customer must submit a new LTF NT TSR/NITSDNR on OASIS.

H. Designation of New Network Load

1. The NT Customer must submit a LTF NT TSR and a new NITSDNR for the new Network Load on OASIS. For detailed information on submitting NT requests, see the [Requesting Transmission Service Business Practice](#). If applicable, the NT Customer must also submit a New Network Load form.
2. For Deposit and Processing Fee procedures and requirements, please refer to the [Requesting Transmission Service Business Practice](#).
3. For information about submitting a new NITSDNR, see the [NT TSR User Guide](#).
4. Queue time is established when the LTF NT TSR for a New Network Load is QUEUED on OASIS.
 - a. A new NITSDNR must be submitted on OASIS no later than 5:00PM, PPT on the same Business Day in which the LTF NT TSR is QUEUED.
5. The NT Customer must specify in the Customer Comments field of the TSR “New Network Load.”
6. The NT Customer must demonstrate sufficient resources to serve the New Network Load.
7. BPA will evaluate LTF NT TSRs submitted on OASIS for New Network Load to determine if Transmission Service can be provided. See the [TSR Evaluation Business Practice](#).
8. For detailed information on the submission and processing of TSRs, refer to the [Requesting Transmission Service Business Practice](#).
9. For additional requirements for interconnecting New Network Load, refer to the [Line and Load Interconnection Procedures Business Practice](#).

I. Using Secondary Service

1. The NT Customer may use Secondary Service to deliver energy to Network Loads from resources that have not been designated as Network Resources.

2. Secondary Service is a Short-Term transmission product available in monthly, weekly, daily, and hourly increments.
3. To obtain Secondary Service, the NT Customer must submit a TSR on OASIS.
4. The Point of Delivery (POD) must be the NT Customer's Network Load.
5. The Source and Sink are not required.
6. The TSR must be submitted within the required reservation window as specified in the [Requesting Transmission Service Business Practice](#).

J. Use of PTP Transmission Service to Serve Network Load

1. PTP Transmission Service may be used to serve Network Load at a Point of Delivery (POD) provided that the NT Customer continues to pay the NT rate for full load service and the PTP contract holder pays the full PTP Transmission Service costs. Neither the Network Load nor the NT bill will be reduced by the amount of load served with PTP Transmission Service.
2. The NT Customer may be required to undesignate its DNR pursuant to Section 30.3 of the OATT if the DNR has the same POR as the PTP Transmission Service and the PTP Transmission Service is used to serve Network Load for more than one (1) year.

K. Reservation Priority for NT Service Agreements

1. An NT Customer with existing Firm Transmission Service may have the right to continue to take Transmission Service when its contract expires, rolls over, or is renewed. For detailed information on exercising Reservation Priority rights, please refer to the [Renewal of Transmission Service \(Reservation Priority\) Business Practice](#).

L. Reservation Priority for Designated Network Resources

1. An NT Customer with existing Firm Transmission Service may have the right to renew its DNR associated NT TSR. For detailed information on exercising Reservation Priority rights, please refer to the [Renewal of Transmission Service \(Reservation Priority\) Business Practice](#).
2. The NT Customer must submit a LTF NT TSR with a Request Type of RENEWAL and a NITSDNR on OASIS.
 - a. For detailed information on submitting Renewal requests, see the [NT TSR User Guide](#).
 - b. The NITSDNR must be submitted on OASIS no later than 5:00 PM, PPT on the same Business Day in which the LTF NT TSR is QUEUED.